

J. SEHAR SEYON

BioTECHNOLOGY
SYSTEMS
BRANCH

RUSH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/722,540
Source: 1647
Date Processed by STIC: 5-20-02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated address :

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
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Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
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Revised 01/29/2002

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57
Does Not Comply
Corrected Diskette Needed



See page 7

1647

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/700,590

DATE: 05/30/2002
TIME: 10:12:26

Input Set : A:\pf0526usn.seqlist.txt
Output Set: N:\CRF3\05302002\I700590.raw

3 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 4 TANG, Y. Tom
 5 LAL, Preeti
 6 HILLMAN, Jennifer L.
 7 YUE, Henry
 8 GUEGLER, Karl J.
 9 CORLEY, Neil C.
 10 BANDMAN, Olga
 11 PATTERSON, Chandra
 12 GORGONE, Gina A.
 13 KASER, Matthew R.
 14 BAUGHN, Mariah R.
 15 AU-YOUNG, Janice
 17 <120> TITLE OF INVENTION: HUMAN TRANSMEMBRANE PROTEINS
 19 <130> FILE REFERENCE: PF-0526 PCT
 C--> 21 <140> CURRENT APPLICATION NUMBER: US/09/700,590
 C--> 22 <141> CURRENT FILING DATE: 2001-04-16
 ↗ USE SEPARATE
 ↗ 1507, 1517 FOR
 ↗ EACH.
 24 <150> PRIOR APPLICATION NUMBER: 60/087,260; 60/091,674; 60/102,954; 60/109,869
 W--> 25 <151> PRIOR FILING DATE: 1998-05-29; 1998-07-02; 1998-10-02; 1998-11-24
 27 <160> NUMBER OF SEQ ID NOS: 158
 29 <170> SOFTWARE: PERL Program
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 240
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Homo sapiens
 36 <220> FEATURE:
 37 <221> NAME/KEY: misc_feature
 38 <223> OTHER INFORMATION: Incyte Clone No: 153831
 41 <400> SEQUENCE: 1
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 43 1 5 10 15
 44 His His Pro Pro Leu Val Cys Ala Thr Leu Ile Leu Leu Leu
 45 20 25 30
 46 Gly Leu Ser Gly Leu Gly Leu Gly Ser Phe Leu Leu Thr His Arg
 47 35 40 45
 48 Thr Gly Leu Arg Ser Pro Asp Ile Pro Gln Asp Trp Val Ser Phe
 49 50 55 60
 50 Leu Arg Ser Phe Gly Gln Leu Thr Leu Cys Pro Arg Asn Gly Thr
 51 65 70 75
 52 Val Thr Gly Lys Trp Arg Gly Ser His Val Val Gly Leu Leu Thr
 53 80 85 90
 54 Thr Leu Asn Phe Gly Asp Gly Pro Asp Arg Asn Lys Thr Arg Thr
 55 95 100 105

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Input Set : A:\pf0526usn.seqlist.txt
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56 Phe Gln Ala Thr Val Leu Gly Ser Gln Met Gly Leu Lys Gly Ser
 57 110 115 120
 58 Ser Ala Gly Gln Leu Val Leu Ile Thr Ala Arg Val Thr Thr Glu
 59 125 130 135
 60 Arg Thr Ala Gly Thr Cys Leu Tyr Phe Ser Ala Val Pro Gly Ile
 61 140 145 150
 62 Leu Pro Ser Ser Gln Pro Pro Ile Ser Cys Ser Glu Glu Gly Ala
 63 155 160 165
 64 Gly Asn Ala Thr Leu Ser Pro Arg Met Gly Glu Glu Cys Val Ser
 65 170 175 180
 66 Val Trp Ser His Glu Gly Leu Val Leu Thr Lys Leu Leu Thr Ser
 67 185 190 195
 68 Glu Glu Leu Ala Leu Cys Gly Ser Arg Leu Leu Val Leu Gly Ser
 69 200 205 210
 70 Phe Leu Leu Leu Phe Cys Gly Leu Leu Cys Cys Val Thr Ala Met
 71 215 220 225
 72 Cys Phe His Pro Arg Arg Glu Ser His Trp Ser Arg Thr Arg Leu
 73 230 235 240
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 79 <211> LENGTH: 100
 80 <212> TYPE: PRT
 81 <213> ORGANISM: Homo sapiens
 83 <220> FEATURE:
 84 <221> NAME/KEY: misc_feature
 85 <223> OTHER INFORMATION: Incyte Clone No: 350629
 88 <400> SEQUENCE: 2
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 90 1 5 10 15
 91 Pro Gly Lys Leu Asp Glu Glu Met Val Gly Leu Pro Pro His Asp
 92 20 25 30
 93 Ala Ser Pro Gln Val Thr Phe His Ser Leu Asp Gly Lys Thr Val
 94 35 40 45
 95 Val Cys Pro His Phe Met Gly Leu Leu Leu Gly Leu Leu Leu Leu
 96 50 55 60
 97 Leu Thr Leu Ser Val Arg Asn Gln Leu Cys Val Arg Gly Glu Arg
 98 65 70 75
 99 Gln Leu Ala Glu Thr Leu His Ser Gln Val Lys Glu Lys Ser Gln
 100 80 85 90
 101 Leu Ile Gly Lys Lys Thr Asp Cys Arg Asp
 102 95 100
 107 <210> SEQ ID NO: 3
 108 <211> LENGTH: 416
 109 <212> TYPE: PRT
 110 <213> ORGANISM: Homo sapiens
 112 <220> FEATURE:
 113 <221> NAME/KEY: misc_feature
 114 <223> OTHER INFORMATION: Incyte Clone No: 729171
 117 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/700,590

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Input Set : A:\pf0526usn.seqlist.txt
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119	1	5	10	15
120	Pro Glu Ser Pro Val Gly Phe Gly His Met Ser Thr Thr Gly Cys			
121	20	25	30	
122	Val Leu Asn Lys Leu Phe Gln Leu Pro Thr Pro Pro Leu Ser Arg			
123	35	40	45	
124	His Gln Leu Lys Arg Leu Glu Glu His Arg Tyr Gln Ser Ala Gly			
125	50	55	60	
126	Arg Ser Leu Leu Glu Pro Leu Val Gln Gly Tyr Trp Glu Trp Leu			
127	65	70	75	
128	Val Arg Arg Val Pro Ser Trp Ile Ala Pro Asn Leu Ile Thr Ile			
129	80	85	90	
130	Ile Gly Leu Ser Ile Asn Ile Cys Thr Thr Ile Leu Leu Val Phe			
131	95	100	105	
132	Tyr Cys Pro Thr Ala Thr Glu Gln Ala Pro Leu Trp Ala Tyr Ile			
133	110	115	120	
134	Ala Cys Ala Cys Gly Leu Phe Ile Tyr Gln Ser Leu Asp Ala Ile			
135	125	130	135	
136	Gly Gly Lys Gln Ala Arg Arg Thr Asn Ser Ser Ser Pro Leu Gly			
137	140	145	150	
138	Glu Leu Phe Asp His Gly Cys Asp Ser Leu Ser Thr Val Phe Val			
139	155	160	165	
140	Val Leu Gly Thr Cys Ile Ala Val Gln Leu Gly Thr Asn Pro Asp			
141	170	175	180	
142	Trp Met Phe Phe Cys Cys Phe Ala Gly Thr Phe Met Phe Tyr Cys			
143	185	190	195	
144	Ala His Trp Gln Thr Tyr Val Ser Gly Thr Leu Arg Phe Gly Ile			
145	200	205	210	
146	Ile Asp Val Thr Glu Val Gln Ile Phe Ile Ile Ile Met His Leu			
147	215	220	225	
148	Leu Ala Val Met Gly Gly Pro Pro Phe Trp Gln Ser Met Ile Pro			
149	230	235	240	
150	Val Leu Asn Ile Gln Met Lys Ile Phe Pro Ala Leu Cys Thr Val			
151	245	250	255	
152	Ala Gly Thr Ile Phe Pro Val Thr Asn Tyr Phe Arg Val Ile Phe			
153	260	265	270	
154	Thr Gly Gly Val Gly Lys Asn Gly Ser Thr Ile Ala Gly Thr Ser			
155	275	280	285	
156	Val Leu Ser Pro Phe Leu His Ile Gly Ser Val Ile Thr Leu Ala			
157	290	295	300	
158	Ala Met Ile Tyr Lys Lys Ser Ala Val Gln Leu Phe Glu Lys His			
159	305	310	315	
160	Pro Cys Leu Tyr Ile Leu Thr Phe Gly Phe Val Ser Ala Lys Ile			
161	320	325	330	
162	Thr Asn Lys Leu Val Val Ala His Met Thr Lys Ser Glu Met His			
163	335	340	345	
164	Leu His Asp Thr Ala Phe Ile Gly Pro Ala Leu Leu Phe Leu Asp			
165	350	355	360	
166	Gln Tyr Phe Asn Ser Phe Ile Asp Glu Tyr Ile Val Leu Trp Ile			
167	365	370	375	

RAW SEQUENCE LISTING
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168 Ala Leu Val Phe Ser Phe Phe Asp Leu Ile Arg Tyr Cys Val Ser
169 380 385 390
170 Val Cys Asn Gln Ile Ala Ser His Leu His Ile His Val Phe Arg
171 395 400 405
173 Ile Lys Val Ser Thr Ala His Ser Asn His His
174 410 415
177 <210> SEQ ID NO: 4
178 <211> LENGTH: 224
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <223> OTHER INFORMATION: Incyte Clone No: 1273641
187 <400> SEQUENCE: 4
188 Met Thr Ile Thr Ser Phe Tyr Ala Val Cys Phe Tyr Leu Leu Met
189 1 5 10 15
190 Leu Val Met Val Glu Gly Phe Gly Gly Lys Glu Ala Val Leu Arg
191 20 25 30
192 Thr Leu Arg Asp Thr Pro Met Met Val His Thr Gly Pro Cys Cys
193 35 40 45
194 Cys Cys Cys Pro Cys Cys Gln Arg Leu Leu Leu Thr Arg Lys Lys
195 50 55 60
196 Leu Gln Leu Leu Met Leu Gly Pro Phe Gln Tyr Ala Phe Leu Lys
197 65 70 75
198 Ile Thr Leu Thr Trp Trp Ala Leu Phe Ser Ser Pro Thr Glu Ser
199 80 85 90
200 Tyr Asp Pro Ala Asp Ile Ser Glu Gly Ser Thr Ala Leu Trp Ile
201 95 100 105
202 Asn Thr Phe Leu Gly Val Ser Thr Leu Leu Ala Leu Trp Thr Leu
203 110 115 120
204 Gly Ile Ile Ser Arg Gln Ala Arg Leu His Leu Gly Glu Gln Asn
205 125 130 135
206 Met Gly Ala Lys Phe Ala Leu Phe Gln Val Leu Leu Ile Leu Thr
207 140 145 150
208 Ala Leu Gln Pro Ser Ile Phe Ser Val Leu Ala Asn Gly Gly Gln
209 155 160 165
210 Ile Ala Cys Ser Pro Pro Tyr Ser Ser Lys Thr Arg Ser Gln Val
211 170 175 180
212 Met Asn Cys His Leu Leu Ile Leu Glu Thr Phe Leu Met Thr Val
213 185 190 195
214 Leu Thr Arg Met Tyr Tyr Arg Arg Lys Asp His Lys Val Gly Tyr
215 200 205 210
216 Glu Thr Phe Ser Ser Pro Asp Leu Asp Leu Asn Leu Lys Ala
217 215 220
220 <210> SEQ ID NO: 5
221 <211> LENGTH: 247
222 <212> TYPE: PRT
223 <213> ORGANISM: Homo sapiens
225 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 05/30/2002
 PATENT APPLICATION: US/09/700,590 TIME: 10:12:26

Input Set : A:\pf0526usn.seqlist.txt
 Output Set: N:\CRF3\05302002\I700590.raw

226 <221> NAME/KEY: misc_feature
 227 <223> OTHER INFORMATION: Incyte Clone No: 1427389
 230 <400> SEQUENCE: 5
 231 Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly
 232 1 5 10 15
 233 Pro Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu
 234 20 25 30
 235 Arg Val Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser
 236 35 40 45
 237 Leu Leu Leu Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr
 238 50 55 60
 239 Asp Arg Ser Asp Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly
 240 65 70 75
 241 Ala Ala Val Ser Val Leu Leu Gln Glu Val Phe Arg Phe Ala Tyr
 242 80 85 90
 243 Tyr Lys Leu Leu Lys Lys Ala Asp Glu Gly Leu Ala Ser Leu Ser
 244 95 100 105
 245 Glu Asp Gly Arg Ser Pro Ile Ser Ile Arg Gln Met Ala Tyr Val
 246 110 115 120
 247 Ser Gly Leu Ser Phe Gly Ile Ile Ser Gly Val Phe Ser Val Ile
 248 125 130 135
 249 Asn Ile Leu Ala Asp Ala Leu Gly Pro Gly Val Val Gly Ile His
 250 140 145 150
 251 Gly Asp Ser Pro Tyr Tyr Phe Leu Thr Ser Ala Phe Leu Thr Ala
 252 155 160 165
 253 Ala Ile Ile Leu Leu His Thr Phe Trp Gly Val Val Phe Phe Asp
 254 170 175 180
 255 Ala Cys Glu Arg Arg Arg Tyr Trp Ala Leu Gly Leu Val Val Gly
 256 185 190 195
 257 Ser His Leu Leu Thr Ser Gly Leu Thr Phe Leu Asn Pro Trp Tyr
 258 200 205 210
 259 Glu Ala Ser Leu Leu Pro Ile Tyr Ala Val Thr Val Ser Met Gly
 260 215 220 225
 261 Leu Trp Ala Phe Ile Thr Ala Gly Gly Ser Leu Arg Ser Ile Gln
 262 230 235 240
 263 Arg Ser Leu Leu Cys Lys Asp
 264 245
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 269 <211> LENGTH: 72
 270 <212> TYPE: PRT
 271 <213> ORGANISM: Homo sapiens
 273 <220> FEATURE:
 274 <221> NAME/KEY: misc_feature
 275 <223> OTHER INFORMATION: Incyte Clone No: 1458357
 279 <400> SEQUENCE: 6
 280 Met Tyr Trp Leu His Gln Asp Met Phe Trp Leu Leu Val Leu Ile
 281 1 5 10 15
 282 Leu Ile Cys Leu Val Thr His Leu Ile Thr Arg Glu Thr Ile Tyr
 283 20 25 30

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/30/2002
PATENT APPLICATION: US/09/700,590 TIME: 10:12:27

Input Set : A:\pf0526usn.seqlist.txt
Output Set: N:\CRF3\05302002\I700590.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:23; Xaa Pos. 434
Seq#:101; N Pos. 2084,2101,2110,2128,2137,2156,2177,2226,2265,2296,2303
Seq#:101; N Pos. 2310,2325
Seq#:102; N Pos. 1346,1373,1430
Seq#:119; N Pos. 1032,1037,1042
Seq#:120; N Pos. 1893,1896,1899,1906,1911,1921,1926,1927,1928,1929,1932
Seq#:120; N Pos. 1935,1940,1948,1950,1951,1953
Seq#:134; N Pos. 814

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/700,590

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TIME: 10:12:27

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Output Set: N:\CRF3\05302002\I700590.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:23; Xaa Pos. 434
Seq#:101; N Pos. 2084,2101,2110,2128,2137,2156,2177,2226,2265,2296,2303
Seq#:101; N Pos. 2310,2325
Seq#:102; N Pos. 1346,1373,1430
Seq#:119; N Pos. 1032,1037,1042
Seq#:120; N Pos. 1893,1896,1899,1906,1911,1921,1926,1927,1928,1929,1932
Seq#:120; N Pos. 1935,1940,1948,1950,1951,1953
Seq#:134; N Pos. 814

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/700,590

DATE: 05/30/2002

TIME: 10:12:27

Input Set : A:\pf0526usn.seqlist.txt
Output Set: N:\CRF3\05302002\I700590.raw

L:21 M:270 C: Current Application Number differs, Replaced Current Application Number
L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:25 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:1055 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:1055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:420
L:4462 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:101
L:4507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2040
L:4508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2100
L:4509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2160
L:4510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2220
L:4511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2280
L:4520 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:102
L:4552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:1320
L:4553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:1380
L:5166 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:119
L:5193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:1020
L:5202 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:120
L:5244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:1860
L:5245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:1920
L:5737 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:134
L:5761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:780